CLAIM OF INVENTION

A method for transferring of discrete electrical signals from a transmitter to a receiver, which are located in a two-wire communication line with a power voltage supply where the first pole of the power supply and the first wire of the communication line are grounded while the second wire of the communication line is connected to the second pole of the power supply via a resistor, comprising binary-code transfer of a logic signal through closing of the line by the receiver using an electric key and reading, by the receiver, of the value of voltage in the second wire, **whereby** the first wire of the communication line is grounded via an additional resistor whose value is equal to the value of the first resistor and both signal transfer and the signal's voltage value reading are referred to the first wire of the communication line.

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